

Brake Aftermarket Lining Material Report

The Performance Review Institute (PRI) has released an updated list of products reviewed by its Brake Lining Review Committee. The committee verifies the brake linings have met test criteria established in TMC RP628B and agrees with the specification data submitted by the manufacturer.

It is the responsibility of the user to determine suitability for a particular application. The following report, dated June 13, is published on the PRI website, <http://www.pri-network.org/PRI/Brake-Lining-Program.id.29.htm>.



[pri-network.org/PRI/Brake-Lining-Program.id.29.htm](http://www.pri-network.org/PRI/Brake-Lining-Program.id.29.htm).

PRI's Brake Lining Performance Review Committee compiled this list of aftermarket brake linings that meet dynamometer requirements specified in FMVSS 121.

Original equipment linings must meet these requirements; they are optional for aftermarket linings. Order is not based on brake lining quality. The aftermarket brake list is intended to help fleets replace worn OEM linings with replacement lin-

Lining Supplier Company Name	Brand Name	Vehicle Specifications (should approximately match your vehicle's specifications)					
		Brake Type	Brake Size	GAWR, lbs.	Chamber Size	Slack Adjuster Length	Tire Rolling Radius
Carlisle Motion Control	EC20	Drum	16.5 x 7	17-20000	30	5.5"	19.6"
Carlisle Motion Control	EC23	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
Carlisle Motion Control	MB21	Drum	16.5 x 7	17-20000	30	5.5"	19.6"
Carlisle Motion Control	MB23	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
Carlisle Motion Control	CF2000	Drum	16.5 x 7	17-20000	30	5.5"	19.6"
Carlisle Motion Control	MB20	Drum	16.5 x 7	17-20000	30	5.5"	19.6"
DUROLINE SA	DNA 68/FF	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
DUROLINE SA	CREST XL	Drum	16.5 x 7	17-20000	30	5.5"	19.6"
DUROLINE SA	ULTRAPEAK BRT	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
DUROLINE SA	ULTRAPEAK FT	Drum	14.5 x 10	26000	30	7"	20.3"
DUROLINE SA	VISTA HP	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
Federal Mogul	OTR SILVER	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
Federal Mogul	OTR BLUE	Drum	16.5 x 7	17-20000	30	5.5"	19.6"
Federal Mogul	OTR ORANGE	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
Federal Mogul	OTR BLACK	Drum	16.5 x 7	17-20000	30	5.5"	19.6"
Federal Mogul	OTR GOLD	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
FRAS-LE North America	MG1	Drum	16.5 x 7	17-20000	30	5.5"	19.6"
Haldex Brake Products	Haldex GR HX 3010 EE	Drum	16.5 x 7	17-20000	30	5.5"	19.6"
Haldex Brake Products	Haldex GH 3023 FF	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
Haldex Brake Products	Haldex GC Combination	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
Haldex Brake Products	Haldex GN HX 2017-3	Drum	16.5 x 7	17-20000	30	5.5"	19.6"
Masu Auto Industries Pvt. Ltd.	NA-107	Drum	16.5 x 7	17-20000	30	5.5"	19.6"



ings of similar torque value to help ensure torque balance. The higher the torque value the more aggressive the brake lining.

The material manufacturers provided the information contained in this report. The Performance Review Institute has not tested this material nor verified the manufacturers test results.

PRI, an affiliate of SAE, and TMC stress that the review of this information does not constitute SAE or TMC approval, certifications, endorsement or recommendations of the products; it simply verifies that

the brake lining material, as represented by the data presented, has demonstrated its ability to meet FMVSS 121 requirements when installed on a 16.5 x brake and operated in a configuration specified in TMC RP 628B, "Aftermarket Brake Lining Classification."

Brake lining products not on the list either were not tested, did not pass or the review period had expired. Only successfully tested linings are listed. It is the sole responsibility of the user to determine whether the material is or is not suitable for a particular application.

CAUTION: The torque of an aftermarket lining should approximately match that of the original equipment lining it is replacing. The vehicle manufacturer should be able to supply the original equipment lining formulation when supplied with the vehicle identification number. Brake lining output torque, by itself, should not be used to measure total brake system performance. Due to variability in testing and lining composition, torque shown in the aftermarket lining classification list is approximate only.

Brake Torque Output, in lbs. (Should approximately match OEM lining being replaced)			Brake Fade Index Lower % = Less Higher % = More Fade	Lining is Asbestos Free	Quality Certification of Manufacturing Plant	Lining has been Tested to FMVSS 121 Vehicle Test	Review Expiration Date
Primary Torque to Match	Normal Stopping Pressure	Panic Stop Pressure					
40 PSI Value	20 PSI Value	80 PSI Value					
66,660	32,059	130,900	31.50%	Info Not Available	Info Not Available	Info Not Available	31-Mar-2012
65,890	31,337	131,603	68.90%	Info Not Available	Info Not Available	Info Not Available	31-Mar-2012
54,567	24,967	110,096	-2.10%	Info Not Available	Info Not Available	Info Not Available	30-Apr-2013
72,390	33,079	145,454	41.70%	Info Not Available	Info Not Available	Info Not Available	30-Apr-2013
62,976	31,122	118,978	21.40%	Info Not Available	Info Not Available	Info Not Available	30-Apr-2013
53,145	24,570	111,887	0.30%	Info Not Available	Info Not Available	Info Not Available	30-Apr-2013
51,888	23,848	105,676	57.40%	Yes	ISO 9001:2008	No	31-Dec-2012
42,956	20,876	92,901	20.00%	Yes	ISO 9001:2008	No	28-Feb-2016
53,740	24,220	108,992	16.50%	Yes	ISO 9001:2008	No	28-Feb-2016
71,792	36,040	122,304	37.40%	Yes	ISO 9001:2008	No	28-Feb-2016
51,284	24,804	102,856	44.40%	Yes	ISO 9001:2008	No	28-Feb-2016
58,995	29,891	112,712	85.00%	Info Not Provided	Info Not Provided	Info Not Provided	31-May-2014
52,446	23,087	107,973	41.60%	Info Not Provided	Info Not Provided	Info Not Provided	31-May-2014
66,620	32,348	131,261	77.60%	Info Not Provided	Info Not Provided	Info Not Provided	31-May-2014
57,948	26,841	116,755	18.30%	Info Not Provided	Info Not Provided	Info Not Provided	31-Aug-2014
53,659	24,643	117,451	11.60%	Info Not Provided	Info Not Provided	Info Not Provided	31-Aug-2014
63,469	26,834	133,493	7.40%	Yes	ISO 14001:2004 ISO-TS16949:2009	No	31-Oct-2015
46,475	21,074	94,465	28.90%	Yes	ISO 9001 and ISO 14001	Yes	31-Mar-2012
61,325	27,526	119,149	25.50%	Yes	ISO 9001 and ISO 14001	Yes	31-Mar-2012
59,655	29,722	115,342	40.50%	Yes	ISO 9001 and ISO 14001	Yes	31-Mar-2012
52,438	22,995	100,742	7.40%	Yes	ISO 9001 and ISO 14001	Yes	31-Mar-2012
66,304	30,524	132,400	44%	Yes	ISO/TS 16949: 2002 ISO/TS 16949: 2009 & ISO 14001:2004	Yes	31-Jul-2012

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Lining Supplier Company Name	Brand Name	Vehicle Specifications <small>(should approximately match your vehicle's specifications)</small>					
		Brake Type	Brake Size	GAWR, lbs.	Chamber Size	Slack Adjuster Length	Tire Rolling Radius
TruckPro, Inc.	AR1	Drum	16.5 x 7	17-20000	30	5.5"	19.6"
TruckPro, Inc.	AR2	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
TruckPro, Inc.	AR3	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
TruckPro, Inc.	AR4	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
TruckPro, Inc.	AR5	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
TruckPro, Inc.	ARCM	Drum	16.5 x 7	22-23000	30	5.5"	19.6"
TruckPro, Inc.	ARSM	Drum	16.5 x 7	22-23000	30	5.5"	19.6"



Brake Torque Output, in lbs. (Should approximately match OEM lining being replaced)			Brake Fade Index Lower % = Less Higher % = More Fade	Lining is Asbestos Free	Quality Certification of Manufacturing Plant	Lining has been Tested to FMVSS 121 Vehicle Test	Review Expiration Date
Primary Torque to Match	Normal Stopping Pressure	Panic Stop Pressure					
40 PSI Value	20 PSI Value	80 PSI Value					
77,919	35,398	152,545	16.20%	Yes	ISO 9001:2000 ISO / TS 16949:2002 ISO 14001:2004	Yes	31-Aug-2014
73,797	34,159	140,183	109.80%	Yes	ISO 9001:2000 ISO / TS 16949:2002 ISO 14001:2004	Yes	31-Aug-2014
71,045	31,256	143,452	6.80%	Yes	ISO 9001:2000 ISO / TS 16949:2002 ISO 14001:2004	Yes	31-Aug-2014
67,674	30,478	128,463	21.20%	Yes	ISO 9001:2000 ISO / TS 16949:2002 ISO 14001:2004	Yes	31-Aug-2014
66,408	29,415	132,504	78.30%	Yes	ISO 9001:2000 ISO / TS 16949:2002 ISO 14001:2004	Yes	30-Sep-2015
74,497	33,856	143,476	29.20%	Yes	ISO 9001:2000 ISO / TS 16949:2002 ISO 14001:2004	Yes	30-Sep-2015
79,805	36,522	147,360	32.60%	Yes	ISO 9001:2000 ISO / TS 16949:2002 ISO 14001:2004	Yes	30-Sep-2015

